



INSTRUCTIONS

FILTR•GARD® LUMINAIRE

READ THOROUGHLY BEFORE INSTALLING



WARNING

Risk of electric shock

- Turn power off before servicing
- see instructions

THE OPERATING TEMPERATURE "T-CODE" LISTED FOR THIS LUMINAIRE IS BASED ON THE FOLLOWING BULB SIZES. USE OF OTHER THAN THESE MAY RESULT IN A HIGHER OPERATING TEMPERATURE AND COULD RESULT IN A HAZARDOUS CONDITION.

LAMP TYPE	WATTAGE	BULB SIZE
HIGH PRESSURE SODIUM	70,100,150	ED 23 1/2
HIGH PRESSURE SODIUM	250, 400	ED 18
METAL HALIDE/MERCURY	175, 250	ED 28
METAL HALIDE/MERCURY	400	ED 37

GENERAL

A complete luminaire consists of a ballast housing, optical assembly, and a cover/mounting.

CAUTION: When installing luminaire in hazardous locations check operating temperature limits prior to installation to insure it conforms to the environmental temperature restrictions and NEC classifications

MOUNTING INSTALLATION



CAUTION

Unit will fall if not installed properly

- Follow installation instructions

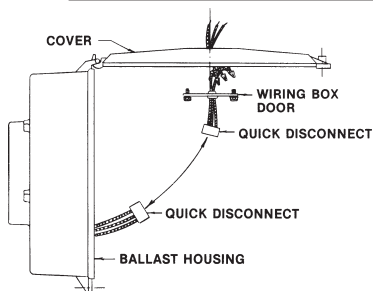


Figure 1

PENDANT AND LOW PROFILE COVER

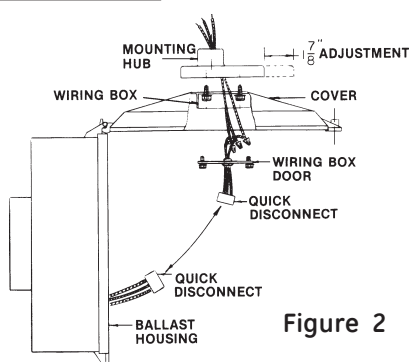
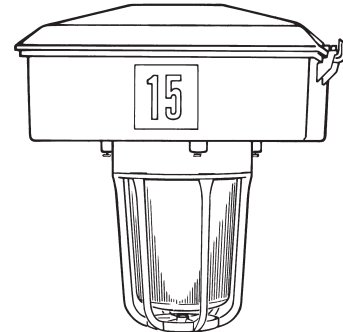


Figure 2

FLEXIBLE COVER



BOLT PATTERN for
100 & 175 Watt Auto-Reg Mer.
250 Watt Reg Mer
100 & 150 Watt Mag-Reg HPS

BOLT PATTERN for
250 Watt Auto-Reg HPS
400 Watt Auto-Reg Mer
400 Watt Auto-Reg IMH

Figure 3

Pendant and Low Profile Cover (See Figure 1)

Remove wiring box door, and thread cover onto conduit. Orient cover, seal around the conduit using approved NEC procedures. Tighten set screw at mounting hub. Wiring should be accomplished in accordance with accepted NEC practices. A factory attached ground lead is provided. After wiring replace the wiring compartment door.

Flexible Cover (See Figures 2 and 3)

Remove wiring box door. Loosen four(4) bolts holding mounting hub to cover. Position adapter plate correctly to balance luminaire. Use widest bolt spacing possible to secure plate to cover. Wiring should be accomplished in accordance with accepted NEC practice. Factory attached ground lead is provided. After wiring, replace the wiring box door.

Ceiling Cover (See Figure 4)

Using the tabs, mount cover to ceiling and remove wiring box door. Wiring should be accomplished in accordance with accepted NEC practices. Factory attached ground lead is provided. After wiring, replace the wiring box door.

Wallmount Cover (See Figure 5)

Mount wiring box and pull leads. Tether is supplied to hold arm assembly while wiring. Wiring should be accomplished in accordance with accepted NEC practices. Factory attached ground lead is provided. After wiring, attach arm assembly to wiring box. Do not damage gasket attached to arm assembly. Mounting screws should be tightened in alternate sequence.

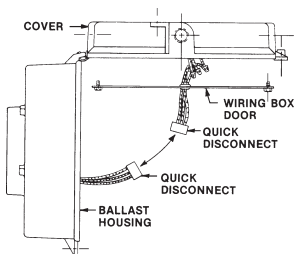


Figure 4
CEILINGCOVER

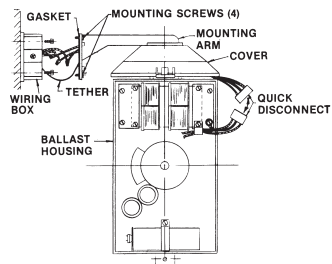


Figure 5
WALLMOUNTCOVER

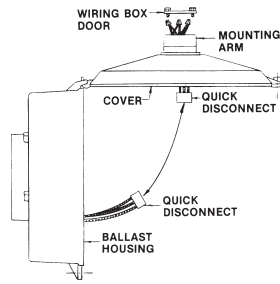


Figure 6
STRAIGHTSTANCHIONCOVER

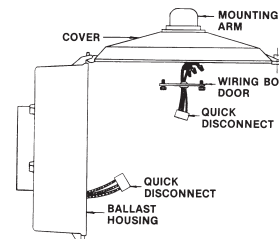


Figure 7
ANGLESTANCHIONCOVER

Straight Stanchion Cover (See Figure 6)

Remove the wiring box door. Attach mounting arm onto conduit. Wiring should be accomplished in accordance with accepted NEC practices. Factory attached ground lead is provided. After wiring, replace the wiring box door.

Angle Stanchion Cover (See Figure 7)

Remove the wiring box door. Attach mounting arm onto conduit. Wiring should be accomplished in accordance with accepted NEC practices. Factory attached ground lead is provided. After wiring, replace the wiring box door.

WIRING

Make all electrical connections in accordance with the National Electrical Code and any applicable local code requirements.

Verify that supply voltage is correct by comparing it to nameplate.

When changing voltage on reconnectable units, move only the lead with the insulated connector.

IF SINGLE VOLTAGE:

All single voltage ballasts are pre-wired such that user need only connect the supply conductors.

IF MULTIVOLT: (120/208/240/277 volts)

Connect the ballast lead with the insulated terminal to the desired voltage terminal as indicated on the ballast terminal nameplate.

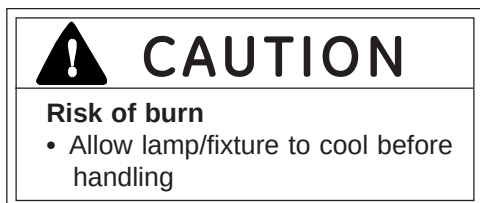
IF MULTIWATT:

Multiwatt ballasts are available in various combinations of wattage. See wiring instructions on wiring tag inside the luminaire.

BALLAST HOUSING INSTALLATION

Slip ballast housing hinge pin over cover hinge. Mate electrical connectors and swing unit shut. Tighten ballast cover screw securely.

LAMP INSTALLATION



Use only lamps specified on nameplate. Observe lamp manufacturer's recommendations and restrictions on lamp operation, particularly ballast type, burning position, etc.

Lamp Tightness – Mogul Base Lamp: The lamp should be securely inserted to the NEMA-EEI specified torque of 35 inch-pounds, which is best achieved by very firmly tightening to insure application of sufficient torque. Tightening must be sufficient to fully depress and load the center contact of the socket.

Lamp Tightness – Medium Base Lamp: The lamp should be tightened to a light firmness sufficient to depress the center contact.

OPTICALS

CAUTION: GLOBE IS TEMPERED GLASS. DO NOT SCRATCH OR CHIP.

Attach globe by threading firmly into bottom of ballast housing.

Industrial Reflector - Type EN or WN

Thread reflector firmly into ballast housing. Lamp may be replaced via glass clampband assembly.

Prismatic Refractor Assembly

Type S, A, and W5

Thread adaptor firmly into ballast housing. To orient asymmetrical glass, loosen clamping screws, turn glass and retighten screws. To relamp, unscrew complete optical from ballast housing.

ACCESSORIES

External Reflector

Insert mounting screws. Orient reflector to proper position and slip over mounting screws. Turn reflector and tighten screws securely.

Globe Guard

Insert protective guard into ballast housing and turn until retained by detent.

FUSING

Branch circuit fusing is recommended rather than individual fusing, which may cause unnecessary maintenance and will not protect ballast.

MAINTENANCE

It will occasionally be necessary to clean optical assembly in order to maintain light levels.

Frequency of cleaning will depend on dirt levels in user's facility and minimum light levels which are acceptable to him. Reflector should be cleaned with any suitable non-abrasive solution of water and soap or detergent. Residual cleaning agent should be removed with clean water rinsing.

Glassware may be cleaned with any conventional glass cleaner. If unit gets soiled on inside, it should be cleaned and any damaged gasket or filter replaced.



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